

## **Amendments to the Claims:**

Claims 10-46 are pending in this application.

1                    1.-9. (cancelled)

1                    10. (original) A method of distributing high-speed information  
2        packets to at least one subscriber unit, each information packet associated with an  
3        information channel, the method comprising:  
4                    routing each information packet through a distributed network of  
5        routing elements, each routing element in wireless communication with at least one  
6        other routing element in the network of routing elements;  
7                    receiving each information packet in a distribution center in  
8        communication with the distributed network of routing elements; and  
9                    forwarding each information packet to each subscriber unit in  
10       communication with the distribution center and requesting the information channel  
11       of which the information packet is associated.

1                    11. (original) A method of distributing high-speed information  
2        packets to at least one subscriber unit as in claim 10 wherein the information packets  
3        comprise video information.

1                    12. (original) A method of distributing high-speed information  
2        packets to at least one subscriber unit as in claim 10 wherein routing each information  
3        packet through a distributed network of routing elements comprises:  
4                    routing each information packet through a distributed network of  
5        distribution points; and  
6                    transmitting each information packet to an access point operative to  
7        communicate with a plurality of subscriber units.

1                   13. (original) A method of distributing high-speed information  
2     packets to at least one subscriber unit as in claim 12 wherein at least one distribution  
3     point is functioning as the distribution center.

1                   14. (original) A method of distributing high-speed information  
2     packets to at least one subscriber unit as in claim 12 wherein at least one access point  
3     is functioning as the distribution center.

1                   15. (original) A method of distributing high-speed information  
2     packets to at least one subscriber unit as in claim 10 further comprising:  
3                   receiving a request from a subscriber unit to access an information  
4     channel;  
5                   requesting transmission of the requested information channel if no  
6     other subscriber unit is receiving the requested information channel; and  
7                   noting that the requesting subscriber unit is receiving the requested  
8     information channel.

1                   16. (original) A method of distributing high-speed information  
2     packets to at least one subscriber unit as in claim 15 wherein receiving a request from  
3     a subscriber unit comprises determining that the requesting subscriber unit is within  
4     the coverage area of a distribution center.

1                   17. (original) A method of distributing high-speed information  
2     packets to at least one subscriber unit as in claim 15 wherein receiving a request from  
3     a subscriber unit comprises receiving a message from a subscriber unit.

1                   18. (original) A method of distributing high-speed information  
2     packets to at least one subscriber unit as in claim 15 further comprising transmitting  
3     a dummy address as the destination for the requested transmission of the requested  
4     information channel.

1                   19. (original) A method of distributing high-speed information  
2     packets to at least one subscriber unit as in claim 15 further comprising:  
3                   determining that a subscriber unit is no longer accessing the  
4     information channel;  
5                   canceling transmission of the information channel if no other  
6     subscriber unit is receiving the information channel; and  
7                   noting that the subscriber unit is no longer receiving the information  
8     channel.

1                   20. (original) A system for providing high-speed packetized  
2     information comprising a distributed routing network, the distributed routing network  
3     comprising a plurality of distribution points, each distribution point in the plurality  
4     of distribution points in radio contact with at least one other distribution point in the  
5     plurality of distribution points, at least one of the plurality of distribution points  
6     comprising at least one host digital terminal (HDT) for converting high-speed  
7     information packets to an optical format and forwarding the information packets to  
8     subscriber units.

1                   21. (original) A system for providing high-speed packetized  
2     information as in claim 20 wherein at least one subscriber unit is operative to receive  
3     information packets in an optical format.

1                   22. (original) A system for providing high-speed packetized  
2     information as in claim 20 further comprising at least one access point in  
3     communication with the at least one HDT, the access point operative to convert  
4     information packets in an optical format into a format compatible with copper  
5     cabling.

1                   23. (original) A system for providing high-speed packetized  
2 information as in claim 22 wherein at least one subscriber unit is in communication  
3 with the at least one access point through a network interface device.

1                   24. (original) A system for providing high-speed packetized  
2 information as in claim 22 wherein at least one access point functions as a video  
3 distribution center.

1                   25. (original) A system for providing high-speed packetized  
2 information as in claim 20 wherein high-speed packetized information is provided  
3 through a VDSL service.

1                   26. (original) A system for providing high-speed packetized  
2 information as in claim 20 wherein high-speed information includes video  
3 information.

1                   27. (original) A system for providing high-speed packetized  
2 information as in claim 20 wherein at least one distribution point functions as a video  
3 distribution center.

1                   28. (original) A system for providing packetized video information  
2 to a plurality of subscriber units comprising a distributed routing network, the  
3 distributed routing network comprising a plurality of distribution points, each  
4 distribution point in the plurality of distribution points in radio contact with at least  
5 one other distribution point in the plurality of distribution points, at least one of the  
6 plurality of distribution points functioning as a video distribution center.

1                   29. (original) A system for providing packetized video information  
2 to a plurality of subscriber units as in claim 28 wherein at least one of the distribution

3 points is operative to receive requests for video content from at least one subscriber  
4 unit and forward those requests to at least one video supplier.

1 30. (original) A system for providing packetized video information  
2 to a plurality of subscriber units as in claim 28 wherein at least one video distribution  
3 center forwards video information packets comprising a video channel to each  
4 subscriber unit served by the video distribution center requesting the video channel.

1 31. (original) A system for providing packetized video information  
2 to a plurality of subscriber units comprising:

3 a distributed routing network, the distributed routing network  
4 comprising a plurality of distribution points, each distribution point in the plurality  
5 of distribution points in radio contact with at least one other distribution point in the  
6 plurality of distribution points; and

7 at least one access point in communication with the distributed routing  
8 network functioning as a video distribution center.

1 32. (original) A system for providing packetized video information  
2 to a plurality of subscriber units as in claim 31 wherein the at least one access point  
3 is operative to receive requests for video content from at least one subscriber unit and  
4 forward those requests to at least one video supplier.

1 33. (original) A system for providing packetized video information  
2 to a plurality of subscriber units as in claim 31 wherein the at least one access point  
3 replicates video information packets comprising a video channel for each of a  
4 plurality of subscriber units requesting the video channel.

1 34. (original) A system for providing packetized video information  
2 to a plurality of subscriber units as in claim 31 wherein at least one access point is  
3 operative to

4                   receive a request to access a video channel from a subscriber unit;  
5                   determine if the requested video channel is currently being accessed  
6 by another subscriber unit served by the access point; and  
7                   if the requested video channel is not currently being accessed by  
8 another subscriber unit served by the access point, forwarding the request to a video  
9 supplier.

1                   35. (original) A system for providing packetized video information  
2 to a plurality of subscriber units as in claim 34 wherein each of the at least one access  
3 point is further operative to  
4                   receive a video information packet from at least one video supplier;  
5                   determine if the received video packet corresponds to a video channel  
6 requested by more than one subscriber unit; and  
7                   forward the video packet to each subscriber unit requesting the video  
8 channel.

1                   36. (original) A system for distributing high-speed information  
2 packets to at least one subscriber unit, each information packet associated with an  
3 information channel, the system comprising:  
4                   a distributed network of routing elements for routing each information  
5 packet, each routing element in wireless communication with at least one other  
6 routing element in the network of routing elements; and  
7                   at least one distribution center in communication with the distributed  
8 network of routing elements and with at least one subscriber unit, each distribution  
9 center forwarding each information packet to each subscriber unit requesting the  
10 information channel associated with each information packet.

1                   37. (original) A system for distributing high-speed information  
2 packets to at least one subscriber unit as in claim 36 wherein the information packets  
3 comprise video information.

1                   38. (original) A system for distributing high-speed information  
2     packets to at least one subscriber unit as in claim 36 wherein the distributed network  
3     of routing elements comprises:  
4                   a distributed network of distribution points operative to route each  
5     information packet; and  
6                   at least one access point operative to communicate with a plurality of  
7     subscriber units.

1                   39. (original) A system for distributing high-speed information  
2     packets to at least one subscriber unit as in claim 38 wherein at least one distribution  
3     point functions as the distribution center.

1                   40. (original) A system for distributing high-speed information  
2     packets to at least one subscriber unit as in claim 38 wherein at least one access point  
3     functions as the distribution center.

1                   41. (original) A system for distributing high-speed information  
2     packets to at least one subscriber unit as in claim 36 wherein the at least one  
3     distribution center receives a request from a subscriber unit to access an information  
4     channel and requests transmission of the requested information channel if no other  
5     subscriber unit is receiving the requested information channel.

1                   42. (original) A system for distributing high-speed information  
2     packets to at least one subscriber unit as in claim 41 wherein at least one distribution  
3     center receives a request from a subscriber unit based on a determination that the  
4     requesting subscriber unit is within the coverage area of the at least one distribution  
5     center.

1                   43. (original) A system for distributing high-speed information  
2     packets to at least one subscriber unit as in claim 41 wherein at least one distribution  
3     center receives a request from a subscriber unit based on a message from a subscriber  
4     unit.

1                   44. (original) A system for distributing high-speed information  
2     packets to at least one subscriber unit as in claim 41 wherein at least one distribution  
3     center further transmits a dummy address as the destination for the requested  
4     transmission of the requested information channel.

1                   45. (original) A system for distributing high-speed information  
2     packets to at least one subscriber unit as in claim 41 wherein at least one distribution  
3     center notes that the requesting subscriber unit is receiving the requested information  
4     channel.

1                   46. (original) A system for distributing high-speed information  
2     packets to at least one subscriber unit as in claim 41 wherein at least one distribution  
3     center determines that a subscriber unit is no longer accessing the information  
4     channel and cancels transmission of the information channel if no other subscriber  
5     unit is receiving the information channel.